Use Attainability Analysis

for

WBID 0928 Post Oak Creek

Submitted by City Of Warrensburg

To Missouri Department of Natural Resources Water Protection Program

Data Sheet A - Water Body Identification

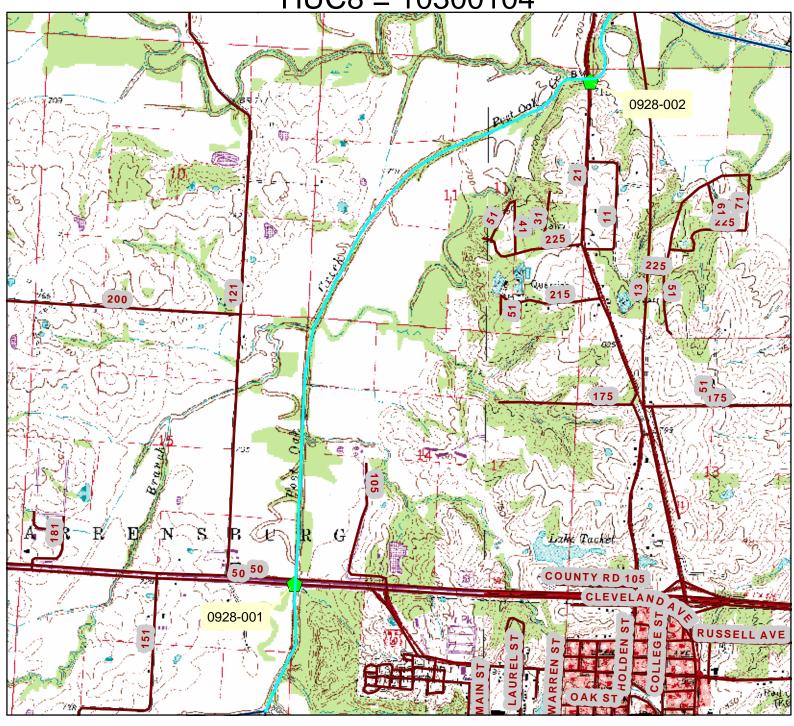
Water Body Name (from USGS 7.5' quad): Post Oak Creek	
8-digit HUC: 10300104	
Missouri WBID #: 0928	
County: Johnson	
Upstream Legal Description: 42 91 934N 4 33 721E	
Downstream Legal Description: 42 94 913N 4 35 494E	
Upstream Coordinates:	
Downstream Coordinates:	
Discharger Facility Name(s): Warrensburg West Wastewater Treatment Plant	
Discharger Permit Number(s): MO-0055905	
Number of Sites Evaluated: two	
Name of Surveyor and Telephone Number: Jane Downing (660) 747-6923	
Organization: City of Warrensburg	
Position: Compliance Technician	

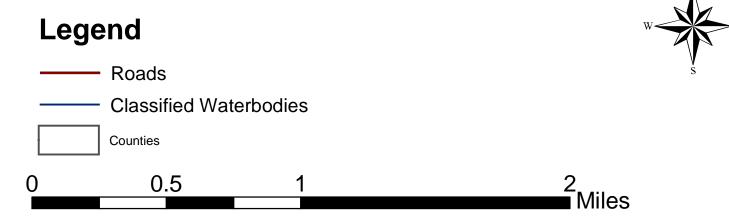
l, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: GNO LONDINO

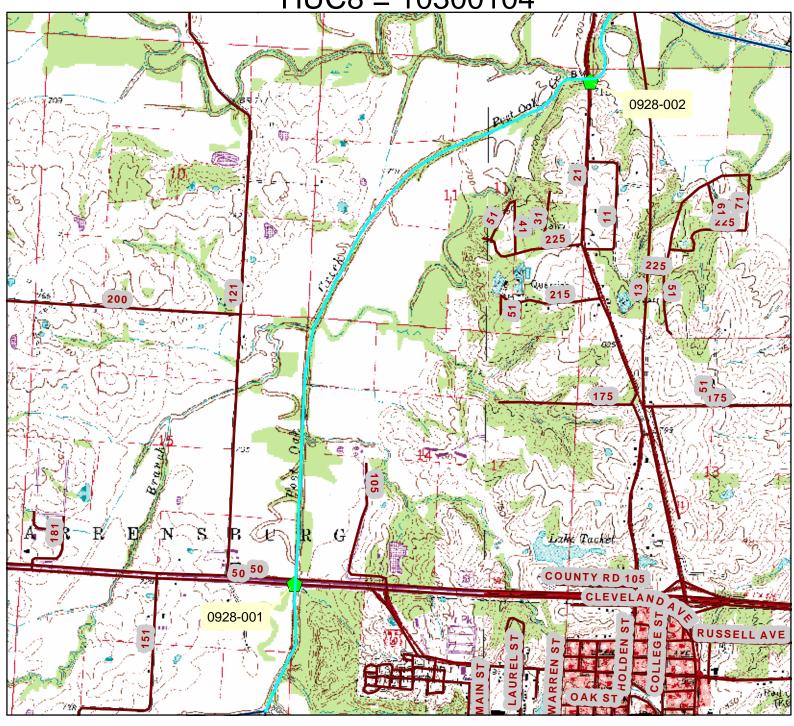
Date: <u>9-14-05</u>

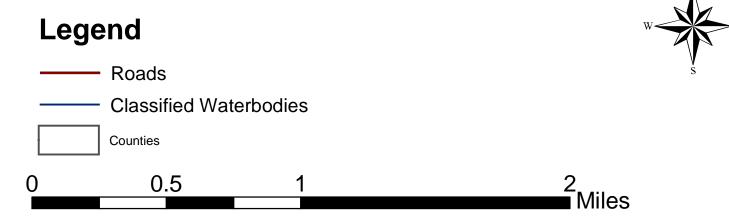
Postoak Creek (P) #0928 Johnson County HUC8 = 10300104



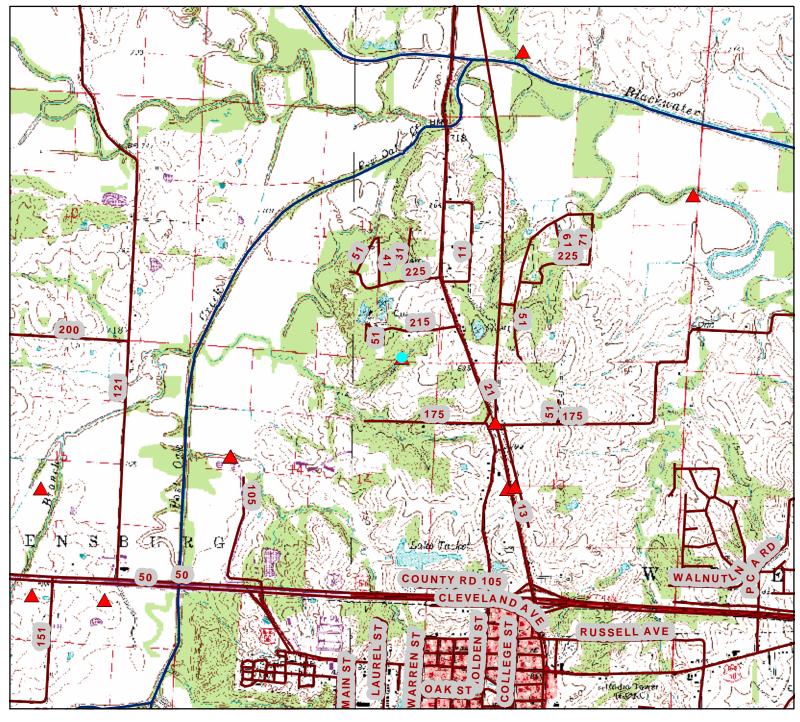


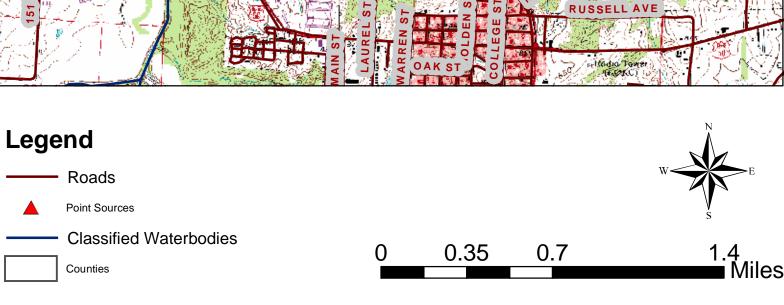
Postoak Creek (P) #0928 Johnson County HUC8 = 10300104





M & M MHP Johnson County ~1.0 miles from Post Oak Creek (#00928)





STATE OF MISSOURI

MISSOURI DEPARTMENT OF NATURAL RESOURCES

POINT LOCATIONAL DATA COLLECTION SHEET

This sheet is used to record required point locational data. To record line, area, or vertical data, please complete the Supplemental Locational Data

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Ambient Air	BL	Railroad	RR
Building	(BR)	Soil Boring Sampling	sa
Bridge	BW BW	Species of Conservation Concern	SC
Buried Waste/Waste Pit Area			SD
Cave Entrance	ÇE	Sediment Sampling	SE SE
Center of Facility or Site	CF	Southeast Corner of the Facility or Site	SG
Center of Operations	CO	Soil Gas	
Containers	ÇT	Stratigraphic Test Hole – Oll & Gas	SH
Drums	DM	Surface Impoundment	\$I
Described by Site Name	DS	Seep Area	\$P
Exploratory Hole (Mineral Prospect)	EH	Spring	SR
Entry Point (Water enters distribution system)	EP	Soil Sampling	SS
Ecological Research Plot	ER	Surface Water Sampling	ST
Equipment Point of Use	EU	Southwest Corner of the Facility or Site	SW
Foundation Test Hole	FH	Tank	TK
Groundwater Sampling	GS	Water Treatment Plant	TP
institutional Control	IC	Transfer Station	T\$
mpacted Groundwater	IG	Abandoned Well	WA
Intersection (Road, Pipe, Street, Etc.)	IN	Coal Bed Methane Well	WB
Raw Water Intake Structure	IP	Industrial High Capacity Well	wc
mpacted/Contaminated Soil/Spill	IS	Dry Oil or Gas Well	WD
nfectious Waste	IW	Return Well	WE
Land Survey Corners	LC	Monitoring Well	WG
Loading Facility or Dock	LD	Heat Pump Well	WH
Landfill	LF	Irrigation Well	WI
Lagoon or Pond	LS	Drinking Water Well	wĸ
Main Office/Admin Building	MA	Gas Monitoring Well	WM
Main Access/Entrance/Gate	MG	Natural Gas Well	WN
Missouri Land Survey Monument	MM	Petroleum Well	WP
Material Recovery Facility	MR	Reconstruction Well	WR
Northeast Corner of the Facility or Site	NE	Class II Injection Well	ws
Northwest Corner of the Facility or Site	NW	Class V Injection Well	wt
Outcrop	ОС	Vertical Well	WV
	. –		1

STATE OF MISSOURI

MISSOURI DEPARTMENT OF NATURAL RESOURCES

POINT LOCATIONAL DATA COLLECTION SHEET

This sheet is used to record required point locational data. To record line, area, or vertical data, please complete the Supplemental Locational Data

1A. FACILITY ID (for official	use only)										
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(8) WPCB	(9) EAC	(10) EC	<u></u>	(11) S		(12) P	arkş	(13) G	STAD	Survey	
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4. HORIZONTAL COLLEC	THON METH	OD (Indicate the method use	so determin	e the location	el data.)	y'	9.750	nterpolatio)n		
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OUR NAME (PI EASE PRINT)		DATE COLLECTED 73-05				
Jana Downing	one collected. If very		manufacture gooded public			
Reference Point	Code	Reference Point	Code			
ndoor Air	Al	Outfall Pipe	OP			
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Air Release/Stack	AS	Pumping Station	PS			
Air Vent	AV	Radioactive Source	RA			
Ambient Air	AO	Road	RD			
Bullding	BL .	Railroad	RR			
Bridge	(BR)	Soil Boring Sampling	SB			
Buried Waste/Waste Pit Area	BW	Species of Conservation Concern	\$C			
Cave Entrance	CE	Sediment Sampling	SD			
Center of Facility or Site	CF	Southeast Corner of the Facility or Site	SE			
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Containers	CT	Stratigraphic Test Hole - Oil & Gas	SH			
Drums	 DM	Surface Impoundment	SI			
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Equipment Point of Use		Southwest Corner of the Facility or Site	SW			
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Land Survey Corners	LC	Monitoring Well	WG			
Loading Facility or Dock		Heat Pump Well	WH			
Landfill	 LF	Irrigation Well	· · · · · · · · · · · · · · · · · · ·			
Lagoon or Pond	LS	Drinking Water Well	WK			
Main Office/Admin Building	MA	Gas Monitoring Well	WM.			
Main Access/Entrance/Gate	MG	Natural Gas Well	WN			
Missourl Land Survey Monument	MM	Petroleum Well	WP			
Material Recovery Facility	MR	Reconstruction Well	WR			
Northeast Corner of the Facility or Site	NE NE	Class II Injection Well	ws			
Northwest Corner of the Facility or Site	NW	Class V Injection Well	WT			
Outcrop	OC	Vertical Well	wv			
Culciob						

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 092	8-001		Site Location Description: 50Hwy Eastbound Upstream					
Site GPS Coordinates:	42 91 934 N; 4 33 7	21 F.]	1				
Date & Time: 7-13-05	1;50 p.m.		Facility Name:	Warrensburg West Wastsey	vater Treatment Plant			
Personnel: Joe Tilden;	Jane Downing		Permit Number	: MO-0055905				
Current Weather Condi	tions: 90 degrees Si	unny	Weather Condi	tions for Past 7 days: same				
Photo Ids: Upstream: (wnstream: 02	98-001 Othe	r:				
ses Observed*:								
Swimming	Skin diving	□ so	UBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	□в	oating	Wading	Rafting			
Hunting	Trapping	Fi	shing	None of the above	Other:			
Describe. (mende num	ber of individuals rec	creating, frequ	iency of use, pholo	-documentation of evidence	of recreational uses, etc.			
urrounding Conditio				uses. Attach photos of evidence				
urrounding Conditio	ns*: (Mark all that)	promote or in			nce or unusual			
urrounding Conditio	ns*: (Mark all that	promote or in	npede recreational conservation lands	uses. Attach photos of evide	nce or unusual			
urrounding Conditio	ns*: (Mark all that)	promote or in	npede recreational onservation lands	uses. Attach photos of evide	nce or unusual			
urrounding Conditionems of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that) Playgrounds State parks Fence	promote or in	npede recreational onservation lands	uses. Attach photos of evide Urban areas Nature trails	nce or unusual			
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Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Data Sheet B - Site Characterization

Page Two - WBID #0928-001:

⊠ Riffle	Width (ft)	: 60 ft	mensions: Length (ft):	Avg. Dept point 1 ft	th (ft): at sampli	ng Max. Depth (ft):	
Run	Width (ft)		Length (ft):	Avg. Dept		Max. Depth (ft);	
Pool	Width (ft);	Length (ft):	Avg. Dept	th (ft):	Max. Depth (ft):	
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Downstre	eam View	Physical	Dimensions:				
⊠ Riffle	Width (ft)		Length (ft):	Avg. Dept	th (ft):	Max. Depth (ft):	
Run	Width (ft)):	Length (ft):	· Avg. Dept	th (ft):	Max. Depth (ft):	T
Pool	Width (ft)	:	Length (ft):	Avg. Dept	th (ft):	Max. Depth (ft):	
⊠ Flow	Present?	⊠ Yes	□ No		(ft ³ /sec): less th		
ıbstrate*:	(These val	ues should a	add up to 100%.)			,	
	% Cobble		6 Gravel	10% Sand	10% Silt	30% Mud/Clay	% Bedroc
			ved at the time of v	visit, .			ıt
		s*: (Mark	all that apply.)	Chemical	⊠ None	Other:	.17
ater Char	racteristic	s*: (Mark		Chemical	⊠ None	Other:	
ater Char	acteristic	s*: (Mark] Sewage] Clear	all that apply.)		Milky	Other:	
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July 14, 2005

Missouri Department of Natural Resources Attention: Ms. Stacia Bax P.O. Box 176 Jefferson City, MO 65102-0176 65102

Re: UAA Study performed on Post Oak Creek 0928-001 Upstream

Dear Stacia:

I have enclosed the information obtain on July 13, 2005, for submittal to your office for review. Be advised that we have not obtained any interview information at this time. However, I would like to offer the following comments on the upstream portion of Post Oak.

I have been with the City's Water Pollution Control Office for five years. During that time we have not seen anyone fishing or swimming in the section of our stream because it is private property, the streams steep slopes and shallow pools make it not only difficult to reach but hard to get wet. The only use that our department knows of is trapping in the winter months and an occasional arrowhead hunter.

PHOTO TAKEN UP STREAM LOOKING DOWN AT

SAMPLING POINT AT THE EAST BOUND LANE OF 50 HWY 0928-001



PHOTO TAKEN LOOKING UP STREAM OF THE

SAMPLING POINT AT THE EAST BOUND LANE OF 0928-001



PHOTO TAKEN OF SAMPLING POINT AT

WESTBOUND LANE 50 HWY 0928-001



PHOTO TAKEN UP STREAM OF THE SAMPLING

POINT AT THE WEST BOUND LANE OF 50 HWY

NOTE DATE APPEARING ON PHOTO'S WRONG. ACTUAL DATE TAKEN 7-13-05 $\,$

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	Missouri WBID #: 0928	-002			Site Location Description: Bridge on old hwy 13 North				
	Site GPS Coordinates: 45	2 94 913N; 4 3	5 494E						
	Date & Time: 7-13-2005	2:30 p.m.			Facility Name: Warrensburg West Wastewater Treatment Plant				
	Personnel: Joe Tilden J	ane Downing			Permit Number:	MO-0055905			
	Current Weather Condition	ons: 90 degrees	F Sunny		Weather Conditi	ons for Past 7 days: 90 deg	rees F sunny dry		
	Photo Ids: Upstream: 09	28-002 цр	Downstrear	n: 092	8-002 DN Other	r: 0928-002 ROAD CLOSI	ED		
Us	es Observed*:					1_	1		
	Swimming	Skin divin	8		JBA diving	Tubing	☐ Water skiing		
	☐ Wind surfing	☐ Kayaking			ting	Wading	Rafting		
	Hunting	Trapping		Fish		None of the above	Other:		
	Describe: (include numbe	r of individuals	recreating,	, freque	ncy of use, photo-	documentation of evidence	of recreational uses, etc.)		
]									
Su	rrounding Condition	s*: (Mark all th	at promote	or imp	ede recreational u	ses. Attach photos of evider	nce or unusual		
	is of interest.)	<u> </u>				•			
	City/county parks	Playground	ds 🔲 M	DC con	scrvation lands	Urban areas	☐ Campgrounds		
ļ	☐ Boating accesses	State parks	i □ Na	itional 1	forests	☐ Nature trails	Stairs/walkway		
Ì	No trespass sign	Fence	⊠ Ste	ep slop	oes	Other: road closed			
•									
Evi	idence of Human Use				111.0				
-	Roads	Foot paths/			ock/platform	Livestock Watering	RV/ATV Tracks		
-	Rope swings	Camping S			re pit/ring	NPDES Discharge	Fishing Tackle		
l	Other: CRABTREE I	AGOON INCL	UDED IN	THIS	SAMPLING SITE				
	w w.m. / \	.	- C+:				1 36 1		
	e Locations Map(s): A er items that may be o					nent sites clearly labele	ed. Mark any		
OLIN	er nems mai may be o	i interest. (ii	iciade bu	DIOSTA	ipiis)				
*So	me of this information is n	ot intended to d	irectly influ	ience a	decision on any o	ne particular recreational us	se analysis but		
may	point to conditions that ne	ed further analy	ysis or that	effect a	mother use.				
	September 29, 2004	1	out printed	7/14/2	005 4:11:00 PM		Page I		

Data Sheet B - Site Characterization

Page Two - WBID #0928-002:

Stream Mor Unstream			imensions:					
⊠ Riffle	Width (ft)		Length (ft):		Avg. Depth	(ft): LESS 2FT	Max, Depth (ft)	<u> </u>
Run	Width (ft)	:	l ength (ft):		Avg. Depth	· · · · · · · · · · · · · · · · · · ·	Max. Depth (ft)	
Pool	Width (ft)	:	Length (ft):		Avg. Depth	(ft);	Max. Depth (ft)	:
Flow	Present?	⊠ Yes	□ No		Estimated (1 THAN 1 FT	t³/sec): LESS 3/SEC		
Downstre	am View	Physica	l Dimensions:					
⊠ Riffle	Width (ft)		Length (ft):		Avg. Depth ONE FOOT	(ft): LESS THA	AN Max. Depth (ft)	:
Run	Width (ft)	:	Length (ft):		Avg. Depth	(ft):	Max. Depth (ft)	
☐ Pool	Width (ft)	:	Length (ft):		Avg. Depth	(ft):	Max. Depth (ft)	:
Flow	Present?	⊠ Yes	□No			t³/sec): LESS 3 PER SEC		
Substrate*:	(These valu	ies should	add up to 100%.)					
	Cobble		% Gravel	10% Sand		10% Silt	10% Mud/Clay	10% Bedrock
Odor:	cteristics	s*: (Mark] Sewage	all that apply.) Musky	Cher	mical	⊠ None	Other:	
Color:	×	Clear	Green	Gray		Milky	Other:	
Bottom Dep	osit:	Sludge	☐ Solids	Fine	sediments	None	Other:	
Surface Dep	oosit:	Oil	☐ Scum	☐ Foan	n	None Non	Other:	
Slopes and base or obable that the This information of the median on the median control of the median on the median of the media	nks remains there is an is not to be inderstandir ecreation using gned, he	in steep in steep in steep in steep in seed so in go of water see analysis reby aff	in this area and you in this area. lely for removal of a conditions. Conse but may point to confirm to the best of the best o	water is alv a recreationa equently, this onditions tha	vays shall I use design informatio t need furth wledge, t	ow except for nation but rather in is not intended or analysis or the	rviews) to this fort r major rain events is to provide a more d to directly influence hat effect another use.	a on this UAA
igned:	anch Cilu	of Wh			_Date:	<u>1) - 14 - 1</u>	eance Jeek	
	7	- Wa	nersburg		_ Positio	: Coulple	eance Jeek	

July 14, 2005

Missouri Department of Natural Resources Attention: Ms. Stacia Bax P.O. Box 176 Jefferson City, MO 65102-0176 65102

Re: UAA Study performed on Post Oak Creek 0928-002 Down Stream

Dear Stacia:

I have enclosed the information obtain on July 13, 2005, for submittal to your office for review. Be advised that we have not obtained any interview information at this time. However, I would like to offer the following comments on the upstream portion of Post Oak.

I have been with the City's Water Pollution Control Office for five years. During that time we have not seen anyone fishing or swimming in the section of our stream because it is private property, the streams steep slopes and shallow pools make it not only difficult to reach but hard to get wet. The only use that our department knows of is trapping in the winter months and an occasional arrowhead hunter. Be aware that another lagoon from Crabtree subdivision discharges into this location. I do not have their permit number at this time.



Road closed at sampling location 0928-002



looking down at sampling location upstream on the west

side of the bridge 0928-002



Photo taken of the up stream of the sampling location on the west side of the bridge 0928-002



Photo looking down at the down stream sampling point from the east side of the bridge on old hwy 13 0928-002

NOTE DATE APPEARING ON PHOTO'S WRONG. ACTUAL DATE TAKEN 7-13-05 $\,$